

## REMARKS

Reconsideration and allowance are respectfully requested. Claims 1 and 5 have been amended. Claims 1-18 remain pending in this application.

The objection to the disclosure has been addressed above.

Claims 1 and 6 stand rejected under 35 U.S.C. 103(a) as being unpatentable over the Applicants' Admitted Prior Art (AAPA) in view of Cripps et al. Claims 1 and 5 have been amended to define the invention more clearly and thus, obviate the rejection. In particular, claims 1 and 5 as amended recite that due to the filtering, the filtered first and second components have equal power distribution. Support for this amendment can be found at page 8, lines 1-8 of the specification. Thus, as noted in the specification at page 9, lines 6-9, due to the filtering of the components prior to performing the I/Q imbalance, the I and Q components, used for determining the imbalance estimation, have equal power distribution, ensuring accurate estimation and consequently accurate compensation.

The Examiner concedes that the AAPA does not teach filtering a pilot carrier from each of the first and second components. The Examiner cites Cripps as teaching filtering a pilot carrier and the Examiner contends that it would have been obvious to include the filters of Cripps into the compensation circuit of the AAPA. However, even if the filters of Cripps were employed in the circuit of the AAPA, the combination would not suggest the invention as now claimed. In particular, Cripps does not teach or suggest filtering a pilot carrier from each of the filtered first and second components to obtain filtered first and second components, respectively, with the first and second components having equal power distribution. Cripps merely teaches filtering out the pilot signals so only data signals remain. In addition, there is no suggestion in the prior art of record of filtering of the components to have equal power distribution prior to performing the I/Q imbalance. Thus, the rejection of claims 1 and 5, and the claims that depend there-from, should be withdrawn.

Claims 2, 4, 7 and 8 stand rejected under 35 U.S.C. 103(a) as being unpatentable over AAPA in view of Cripps et al. and further in view of Husted et al. These claims depend from

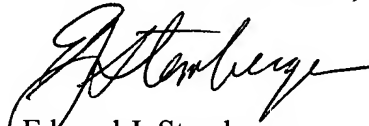
independent claims 1 and 5 and are considered to be allowable for the reasons advanced above. Furthermore, Husted et al. as does not suggest filtering so that filtered first and second components having equal power distribution. Therefore, the rejection should be withdrawn.

In view of the above, it is believed this application is in condition for allowance, and such a Notice is respectfully solicited.

To the extent necessary, Applicant petitions for an extension of time under 37 C.F.R. 1.136. Please charge any shortage in fees due in connection with the filing of this paper, including any missing or insufficient fees under 37 C.F.R. 1.17(a), to Deposit Account No. 50-0687, under Order No. 95-538, and please credit any excess fees to such deposit account.

Respectfully submitted,

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